

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	(sampl\$3 near2 preamble) same (estimat\$3 near3 (sampl\$3 or preamble\$1)) and ((estimat\$3 near3 (amplitude or magnitude)) same (estimat\$3 near2 frequency) same (estimat\$3 near3 phase)) and (cost adj1 function\$1) and (var\$3 near4 (phase or frequency))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 10:25
S2	0	(sampl\$3 near2 preamble) same (estimat\$3 near3 (sampl\$3 or preamble\$1)) and ((estimat\$3 near3 (amplitude or magnitude)) same (estimat\$3 near2 frequency) same (estimat\$3 near3 phase)) and (cost adj1 function\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 10:25
S3	0	(sampl\$3 near2 preamble) same (estimat\$3 near3 (sampl\$3 or preamble\$1)) and (cost adj1 function\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 10:26
S4	7	(sampl\$3 near2 preamble) and (cost adj1 function\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 10:40
S5	7948	(cost adj1 function\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 11:22
S6	2	((select\$3 or choos\$3 or determin\$3 or pick\$3) near4 (cost adj1 function\$1) near5 (lowest or minimum)) same (frequency same phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 11:06
S7	19	((select\$3 or choos\$3 or determin\$3 or pick\$3) near4 (cost adj1 function\$1)) same (frequency same phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 10:43
S8	4	((select\$3 or choos\$3 or determin\$3 or pick\$3) near4 (cost adj1 function\$1)) same (estimat\$3 with frequency with phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 11:09

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S9	18	((cost adj1 function\$1)) same (estimat\$3 with frequency with phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 11:18
S10	689	((cost adj1 function\$1)) and "375"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 11:18
S11	27	(cost adj1 function\$1) and (estimat\$3 near2 frequency) and (estimat\$3 near3 phase) and (estimat\$3 near3 (amplitude or magnitude))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 11:33
S12	1	("5619537").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/03 11:34
S13	1	("6064703").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/03 11:37
S14	1	("6192501").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/03 11:38
S15	1	("6304996").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/03 11:39
S16	1	("6343368").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/03 11:52
S17	1	("20020167923").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/03 11:55
S18	0	(sampl\$3 near3 (preamble or head\$3)) same (estimat\$3 with (amplitude or magnitude) with frequency with phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 12:00
S19	0	(sampl\$3 near3 (preamble or head\$3)) same (estimat\$3 near2 (amplitude or magnitude)) same (estimat\$3 near2 frequency) same (estimat\$3 near2 phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 12:01
S20	0	(sampl\$3 near3 (preamble or head\$3 or pilot)) same (estimat\$3 near2 (amplitude or magnitude)) same (estimat\$3 near2 frequency) same (estimat\$3 near2 phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 12:01

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S21	1	(sampl\$3 near3 (preamble or head\$3 or pilot)) same (estimat\$3 near2 (amplitude or magnitude)) same (estimat\$3 near2 frequency) same (estimat\$3 near2 phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 12:49
S22	2	(cost adj1 function) same (estimat\$3 near3 frequency) same (estimat\$3 near3 phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 12:56
S23	98	((plurality or multiple) adj3 cost adj1 function\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 12:56
S24	0	((plurality or multiple) adj3 cost adj1 function\$1) same ((modif\$3 or chang\$3 or updat\$3 or vary\$3 or chang\$3) near5 phase near5 frequency)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 12:58
S25	0	(calculat\$3 near3 (plurality or multiple) adj2 cost adj1 function\$1) same (frequency same phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 12:59
S26	0	((plurality or multiple) adj2 cost adj1 function\$1) same (frequency same phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 13:16
S27	7	(calculat\$3 near3 (plurality or multiple) adj2 cost adj1 function\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 13:26
S28	0	((estimat\$3 near3 frequency) with (estimat\$3 near3 phase)) and ((optimum or optimal or best) adj2 phase) and ((optimum or optimal or best) adj2 frequency)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 13:28
S29	15	((estimat\$3 near3 frequency) with (estimat\$3 near3 phase)) and ((optimum or optimal or best) adj2 phase) and ((optimum or optimal or best) adj2 frequency)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 13:32
S30	0	(minimiz\$3 near3 (squared adj1 difference) with (sample\$3 adj1 preamble) with (estimat\$3 near3 preamble))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 13:33

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S31	0	((squared adj1 difference) with (sample\$3 adj1 preamble) with (estimat\$3 near3 preamble))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 13:34
S32	7	((sample\$3 adj1 preamble) with (estimat\$3 near3 preamble))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 13:35
S33	3	(cost near2 function) same (estimat\$3 near3 preamble)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 15:56
S34	74	((cost or matric) near2 function) same (frequency with phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 14:24
S35	27	((cost or matric) near2 function) with (frequency with phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 14:13
S36	0	(map near3 estimat\$3) with frequency with ((maximiz\$3 or maxim\$2 or best or optimum or optimal) near2 (cost adj1 function\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 14:14
S37	34	(mean adj1 squared adj2 (error or difference)) with (frequency with phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 14:27
S38	26120	(mean adj1 squared adj2 (error or difference)) with (frequency with phase) amd ((optimum or optimal or best or maximum) near2 estimated near2 frequency)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 14:28
S39	0	(mean adj1 squared adj2 (error or difference)) with (frequency with phase) and ((optimum or optimal or best or maximum) near2 estimated near2 frequency)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 14:28
S40	119	((optimum or optimal or best or maximum) near2 estimated near2 frequency)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 15:19

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S41	3	S40 and ((optimum or optimal or best or maximum) near2 estimated near2 phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 15:19
S42	0	(noise near2 compenent) with (sampled near2 preamble) with (standard near2 deviation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 14:41
S43	0	(noise) with (sampled near2 preamble) with (standard near2 deviation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 14:41
S44	0	(sampled near2 preamble) with (standard near2 deviation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 14:41
S45	2	(noise with preamble) with (standard near2 deviation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 14:42
S46	3448	(noise) with (standard near2 deviation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 14:42
S47	3416	(noise) with (standard adj1 deviation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 14:42
S48	16	(noise with sampled) with (standard adj1 deviation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 14:46
S49	0	(cost adj1 function) and (phase near2 estimat\$3) and (frequency near2 estimat\$3) and ((amplitude or magnitude) near2 estimat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 14:47
S50	22	(cost adj1 function) and (phase near2 estimat\$3) and (frequency near2 estimat\$3) and ((amplitude or magnitude) near2 estimat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 14:53

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S51	92	(map or "maximum a posteriori") and (phase near2 estimat\$3) and (frequency near2 estimat\$3) and ((amplitude or magnitude) near2 estimat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 14:53
S52	1	(map or "maximum a posteriori") same (phase near2 estimat\$3) same (frequency near2 estimat\$3) same ((amplitude or magnitude) near2 estimat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 15:04
S53	0	(cost near2 function) same (nominal with frequency with phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 15:04
S54	4	(cost near2 function) same (nominal with frequency)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 15:05
S55	47	(cost near2 function) same (sin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 15:06
S56	9	(cost near2 function) with (sin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 15:07
S57	0	(cost near2 function) same ("sin. sup.2")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 15:09
S58	0	(cost near2 function) same ("sin. sub.2")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 15:09
S59	6	(nominal adj1 frequency) with (nominal adj1 phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 15:11
S60	0	(different adj1 frequency adj1 value) with (different adj1 phase adj1 value)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 15:12

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S61	517	((optimum or optimal or best or maximum) near2 estimat\$3 near2 frequency)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 15:19
S62	21	S61 and ((optimum or optimal or best or maximum) near2 estimat\$3 near2 phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 15:20
S63	1036	(function) same (estimat\$3 with phase with frequency)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 15:57
S64	59	(optimal\$3 with estimat\$3 with phase with frequency)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 16:13
S65	8	(mmse or lms or mse or (minimum adj1 mean adj1 square adj1 error) or (least adj1 mean adj1 square) or (mean adj1 square adj1 error)) same ((estimat\$3 or nominal) near2 frequency) same ((estimat\$3 or nominal) near2 phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 16:20
S66	4	(error or difference) near3 function with ((estimat\$3 or nominal) near2 frequency) with ((estimat\$3 or nominal) near2 phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 16:23
S67	1	("20020064246").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/03 16:23
S68	8	("2002/0064246").URPN.	USPAT	OR	ON	2006/11/03 16:23
S69	0	"as a function of the estimated frequency" with "estimated phase"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/05 10:16
S70	0	"as a function of the nominal frequency" with "nominal phase"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/05 10:18

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S71	30	(function near4 (estimat\$3 near2 frequency) near4 (estimat\$3 near2 phase))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/05 10:40
S72	74	(function with (estimat\$3 near2 frequency) with (estimat\$3 near2 phase))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/05 10:50
S73	26	(sine with (estimat\$3 near2 frequency) with (estimat\$3 near2 phase))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/05 11:08
S74	50	((estimat\$3 near2 frequency) with (estimat\$3 near2 phase)) and (minim\$3 near3 (mse or (mean adj1 square\$1 near2 error) or (cost adj1 function) or (difference near5 estimated near5 (pilot or sample\$1 or receive\$1))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/05 11:13
S75	9	"5619537"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/05 11:23
S76	12	"6064703"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/05 11:23
S77	9	"6092501"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/05 11:24
S78	18	"6192501"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/05 11:24
S79	29	"6304996"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/05 11:24



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S80	16	"6343368"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/05 11:25
S81	2	"20020167923"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/05 11:26
S82	0	(disk adj1 drive) same (motor or engine) same (record\$3 same actuator) same (estimat\$3 near3 frequency) and (estimat\$3 near3 phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/05 11:30
S83	2956	(disk adj1 drive) same (motor or engine) same (record\$3 same actuator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/05 11:30
S84	24	(disk adj1 drive) same (motor or engine) same record\$3 same actuator and (estimat\$3 near3 frequency)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/05 11:34
S85	8	(disk adj1 drive) same (motor or engine) same record\$3 same actuator and (estimat\$3 near3 frequency) and (estimat\$3 near3 phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/05 11:35
S86	8	(disk adj1 drive) same (motor or engine) same record\$3 same actuator and (estimat\$3 near3 frequency) and (estimat\$3 near3 phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 09:02
S87	13	(disk adj1 drive) same (motor or engine) same record\$3 same actuator and ((communication near2 channel) with (read\$3 or store\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 09:04
S88	0	(disk adj1 drive) same (motor or engine) same record\$3 same actuator and ((communication near2 channel) with (read\$3 or store\$3)) and (sampl\$3 near3 preamble)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 09:04

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S89	1	(disk adj1 drive) same (motor or engine) same record\$3 same actuator and ((communication near2 channel) with (read\$3 or store\$3)) and (preamble)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 09:11
S90	1	(disk adj1 drive) same (motor or engine) same record\$3 same actuator and ((communication near2 channel) with (read\$3 with (store\$3 or writ\$3))) and (preamble)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 09:12
S91	0	(sampl\$3 near3 preamble) with (standard near3 deviation) with (normal distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:12
S92	0	(sampl\$3 near3 preamble) with (standard near3 deviation) same (normal distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:12
S93	0	(sampl\$3 near3 preamble) same (standard near3 deviation) same (normal distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:12
S94	2	(preamble) same (standard near3 deviation) same (normal distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:14
S95	1	(preamble) same (standard near3 deviation) same (normal adj1 distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:20
S96	43	(noise) with (standard near3 deviation) with (normal adj1 distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:26
S97	0	(noise with preamble) with (standard near3 deviation) with (normal adj1 distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:31

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S98	0	(noise with sampled) with (standard near3 deviation) with (normal adj1 distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:31
S99	0	(noise with sampled) same (standard near3 deviation) with (normal adj1 distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:31
S10 0	0	(noise with sampled) same (standard near3 deviation) same (normal adj1 distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:32
S10 1	0	(nominal adj1 frequency) same (standard near3 deviation) same (normal adj1 distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:32
S10 2	220	(frequency) same (standard near3 deviation) same (normal adj1 distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:32
S10 3	0	(cost adj1 function) same (standard near3 deviation) same (normal adj1 distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:33
S10 4	2	(average\$1 adj1 frequency) same (standard near3 deviation) same (normal adj1 distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:34
S10 5	0	(frequency) same (standard near3 deviation) same (normal adj1 distribution) same "sigmal.sup.2"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:34
S10 6	0	(frequency) same (standard near3 deviation) same (normal adj1 distribution) same "sigmal.sub.2"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:34
S10 7	0	(frequency) same (standard near3 deviation) same (normal adj1 distribution) same "sigma.sub.2"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:34

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S10 8	0	(frequency) same (standard near3 deviation) same (normal adj1 distribution) same "sigma.sup.2"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:34
S10 9	0	(frequency) same (standard near3 deviation) same (normal adj1 distribution) same "sigma.sup."	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:35
S11 0	50	(frequency) same (standard near3 deviation) same (normal adj1 distribution) same "sigma"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:38
S11 1	1	(white adj1 noise) same (frequency) same (standard near3 deviation) same (normal adj1 distribution) same "sigma"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:39
S11 2	1	(white adj1 noise) same (estimated frequency) same (standard near3 deviation) same (normal adj1 distribution) same "sigma"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:40
S11 3	0	(white adj1 noise) same (estimated adj1 frequency) same ((nominal or average\$1) adj1 frequency) same (standard near3 deviation) same (normal adj1 distribution) same "sigma"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:41
S11 4	0	(estimated adj1 frequency) same ((nominal or average\$1) adj1 frequency) same (standard near3 deviation) same (normal adj1 distribution) same "sigma"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:41
S11 5	0	(estimated adj1 frequency) same ((nominal or average\$1) adj1 frequency) same (standard near3 deviation) same (normal adj1 distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:41
S11 6	0	(estimated adj1 frequency) and ((nominal or average\$1) adj1 frequency) same (standard near3 deviation) and (normal adj1 distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:41

## EAST Search History

S11 7	3	(estimated adj1 frequency) and ((nominal or average\$1) adj1 frequency) and (standard near3 deviation) and (normal adj1 distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 13:41
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## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(sampled near2 preamble) with (standard near2 deviation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 14:37
L2	0	(sampled near2 preamble) with (standard near2 deviation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 14:04
L3	9	(preamble) with (standard near2 deviation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 14:06
L4	0	(preamble) with (standard near2 deviation) with (frequency with (normal near2 distribution))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 14:07
L5	0	(preamble) same (standard near2 deviation) same (frequency with (normal near2 distribution))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 14:08
L6	0	(preamble) same (standard near2 deviation) same (frequency with (normal near2 distribution))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 14:08
L7	0	(preamble) same (standard near2 deviation) same (frequency with distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 14:09
L8	0	(standard near2 deviation) same (frequency with distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 14:09
L9	0	(preamble) same (standard near2 deviation) same (frequency with distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 14:09

## EAST Search History

L10	879	(standard near2 deviation) same (frequency with distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 14:09
L11	65	(standard near2 deviation) same (frequency with distribution) same (known or preamble)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 14:09
L12	8	(standard near2 deviation) same (frequency with (normal near3 distribution)) same (known or preamble)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 14:37
L13	0	(estimated near3 frequency) same (nominal near3 frequency) same (standard near2 deviation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 14:39
L14	0	(estimated near3 frequency) same (nominal near3 frequency) same (standard near2 deviation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 14:39
L15	47	(estimated near3 frequency) and (nominal near3 frequency) and (standard near2 deviation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 14:39
L16	44	(estimated near3 frequency) and (nominal near3 frequency) and (standard near2 deviation) and noise	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 14:40
L17	0	(estimated near3 frequency) and (nominal near3 frequency) and (standard near2 deviation) and noise and (normal near3 distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 14:40
L18	37	(estimated near3 frequency) and (nominal near3 frequency) and (standard near2 deviation) and noise and (normal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 14:41
L19	0	(estimated near3 frequency) and (nominal near3 frequency) and (standard near2 deviation) and (noise with preamble) and (normal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 14:41

## EAST Search History

L20	0	(estimated near3 frequency) and (nominal near3 frequency) and (standard near2 deviation) and (noise same preamble) and (normal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 14:41
L21	1	(estimated near3 frequency) and (nominal near3 frequency) and (standard near2 deviation) and (preamble) and (normal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 14:55
L22	8	((estimated near3 frequency) with (probability adj1 density adj1 function))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 15:09
L23	3417	noise with (standard adj1 deviation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 15:10
L24	80	noise with (standard adj1 deviation) and (cost adj1 function)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 15:10
L25	8	noise with (standard adj1 deviation) same (cost adj1 function)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 15:13
L26	0	noise with (standard adj1 deviation) and (frequency with (normal near3 distriction) same (standard near3 deviation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 15:14
L27	0	noise with (standard adj1 deviation) and (frequency with (normal near3 distriction))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 15:14
L28	15	noise with (standard adj1 deviation) and (frequency with (normal near3 distribution))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 15:20
L29	5	(channel near3 noise) with (normal near2 distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 15:22



## EAST Search History

L30	428	(noise) with (normal near2 distribution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 15:22
L31	46	(noise) with (normal near2 distribution) with (standard near2 deviation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 15:33
L32	1	(channel with noise) with (normal near2 distribution) with (standard near2 deviation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 15:43
L33	4	(white with noise) with (normal near2 distribution) with (standard near2 deviation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 15:44
L34	7	(white with noise) same (normal near2 distribution) same (standard near2 deviation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 15:49
L35	403	(white with noise) with (advantage\$1 or benefit\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 16:47
L36	117	(cost near2 function) with simultaneously	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 16:48
L37	52	(cost near2 function\$1) near4 simultaneously	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 16:51
L38	52	(cost near2 functions) near4 simultaneously	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 16:51
L39	52	(cost near2 "functions") near4 simultaneously	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 16:52

## EAST Search History

L40	0	(first adj1 minimum adj1 cost adj1 function) and (second adj1 minimum adj1 cost adj1 function)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 16:57
L41	0	(first adj1 minimum adj1 cost adj1 function\$1) and (second adj1 minimum adj1 cost adj1 function\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 16:58
L42	0	(first adj1 minimum adj1 cost adj1 function\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 16:58
L43	708	(select\$3 near3 (cost adj1 function\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 17:00
L44	549	(select\$3 near2 (cost adj1 function\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 17:01
L45	17	(select\$3 near2 (minim\$2) near2 (cost adj1 function\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 17:06
L46	101	(select\$3 near2 (minim\$5) near2 (cost adj1 function\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 17:10
L47	17	((set or subset or plurality or group) near3 (minimum or minimal) near3 (cost adj1 function\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 17:15
L48	756	((set or subset or plurality or group) near3 (cost adj1 function\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 17:15
L49	57	((select\$3 or choos\$3) near2 (set or subset or plurality or group) near3 (cost adj1 function\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 17:16